Event-7

EXPERT TALK

Date:04-08-2023

By

Data Science Club

Information and Communication Technology

Faculty of Technology

Marwadi University, Rajkot

Club Mentor:

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Assistant Professor,

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It's great to hear that your DS club organized an interactive session with an expert like Kumar Rajamani, who is a senior manager of algorithm research department at KLA Instruments, a Chennai-based company. Learning from experienced professionals can be extremely valuable, especially in the field of AI and ML.

The advice he gave regarding research papers and learning through code replication is indeed sound. Here's a breakdown of some key points:

Authentic Websites for Research Papers: Websites like "Papers with Code" and "NeurIPS" are excellent resources for finding research papers in the field of AI and ML. These platforms provide not only the papers themselves but also accompanying code implementations, making it easier for you to understand the concepts and try them out in practice.

Reading Research Papers and Replicating Code: When you come across a research paper, try to thoroughly read and understand it, grasping the underlying concepts and techniques. Then, you can take a step further by replicating the code provided in the paper. Replication helps you consolidate your understanding and also allows you to test the methods on different datasets or scenarios.

Learning in Depth: Replicating the code from research papers is an excellent way to learn ML and AI in depth. It goes beyond just reading about the algorithms and theories, as you gain practical experience in implementing them. This hands-on approach enhances your understanding of the models and algorithms involved.

Actual Code vs. Demo Code: There can be a difference between actual code used in research and demo code provided alongside the papers. Actual research code may be more complex, optimized, and might be written for specific research goals. On the other hand, demo code is often simplified for illustrative purposes, making it easier to understand the core ideas.

In summary, learning from research papers and replicating the code can be an invaluable learning experience. It not only helps you understand the latest advancements in the field but also strengthens your practical skills in implementing ML and AI algorithms. By diving into the actual code, you gain a deeper understanding of how these algorithms work and how to apply them effectively in real-world scenarios.

Participants: Only Sem-7 Deep Learning elective students (20 students)


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